ORGANOPHOSPHORUS COMPOUNDS BY GAS CHROMATOGRAPHY/ CAPILLARY COLUMN
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Facility Name:_____VELAP ID_____

Assessor Name:_____Analyst Name:_____Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
Are samples adjusted to a pH of 5 to 8 using NaOH or H_2SO_4 as soon as possible after sample collection?	6.3				
Are samples extracted within 7 days of collection?	6.4				
For water samples, is method EPA 3510 or 3520 used for sample extraction with methylene chloride? *(Note that it may be acceptable to use other methods.)*	7.1.1				
For solids samples, is method EPA 3540 or 3541 used for sample extraction with methylene chloride/acetone or hexane/acetone as the extraction solvent? *(Note that it may be acceptable to use other methods.)*	7.1.1				
Is EPA 3550 NOT used for sample extraction?	7.1.1				
Are extracts refrigerated at 4°C and analyzed within 40 days of extraction?	6.2				
If internal standards are used, does the analyst select one or more internal standards that are similar in analytical behavior to the compounds of interest?	5.4.2				
If internal standards are used, does the analyst demonstrate that the measurement of the internal standard is not affected by method or matrix interferences?	5.4.2				
If surrogate standard spiking solutions are used, does the analyst select one or more compounds that are similar in analytical behavior to the compounds of interest?	5.5.1				
If surrogates are used, does the analyst demonstrate that the measurement of a surrogate is not affected by method or matrix interferences?	5.5.1				
Notes/Comments:					

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Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
If peak detection and identification is prevented by the presence of interferences, is a FPD detector used or further sample cleanup performed?	7.5.1				
If sample cleanup is performed, are reagent blanks processed through the cleanup procedure to demonstrate the absence of reagent interference?	7.5.1				
If sample cleanup is performed, does the analyst demonstrate that the recovery of each analyte is not less than 85 percent?	3.2, 3.3, 3.4				
If sample cleanup is performed by EPA 3660, are mercury and copper NOT used? *(Note that other cleanup methods may alternatively be used.)*	7.1.3.1				
Is a mid-level check standard analyzed after every 10 samples?	8.1				
For qualitative identification of compounds, are characteristic ions from the reference mass spectrum defined to be the three ions of greatest relative intensity, or any ions over 30% relative intensity if less than three such ions occur in the reference spectrum?	8.3.3.1				
Does the analyst ensure that injectors and splitters are free from contamination and are silanized?	3.8.9				

Notes/Comments: